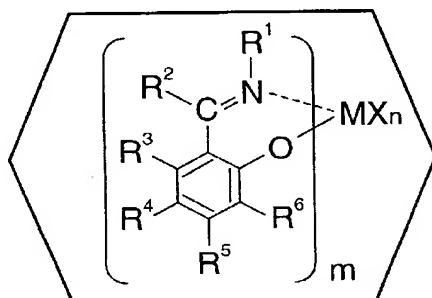


Fig. 1

Transition metal compound
containing ligand having
cyclopentadienyl skeleton



M : transition metal atom of Group 4 or 5
 R^1 : aliphatic or alicyclic hydrocarbon group
 $R^2 - R^5$: hydrogen atom, hydrocarbon group
 or the like
 R^6 : hydrocarbon group or the like
 X : halogen, hydrocarbon group or the like
 n : valence of M
 m : 1, 2

Organoaluminum oxy-compound

Ionizing ionic compound

Organoaluminum compound

(Carrier)

(Organic compound)
component

Olefin

Branched
polyolefin

2/2

